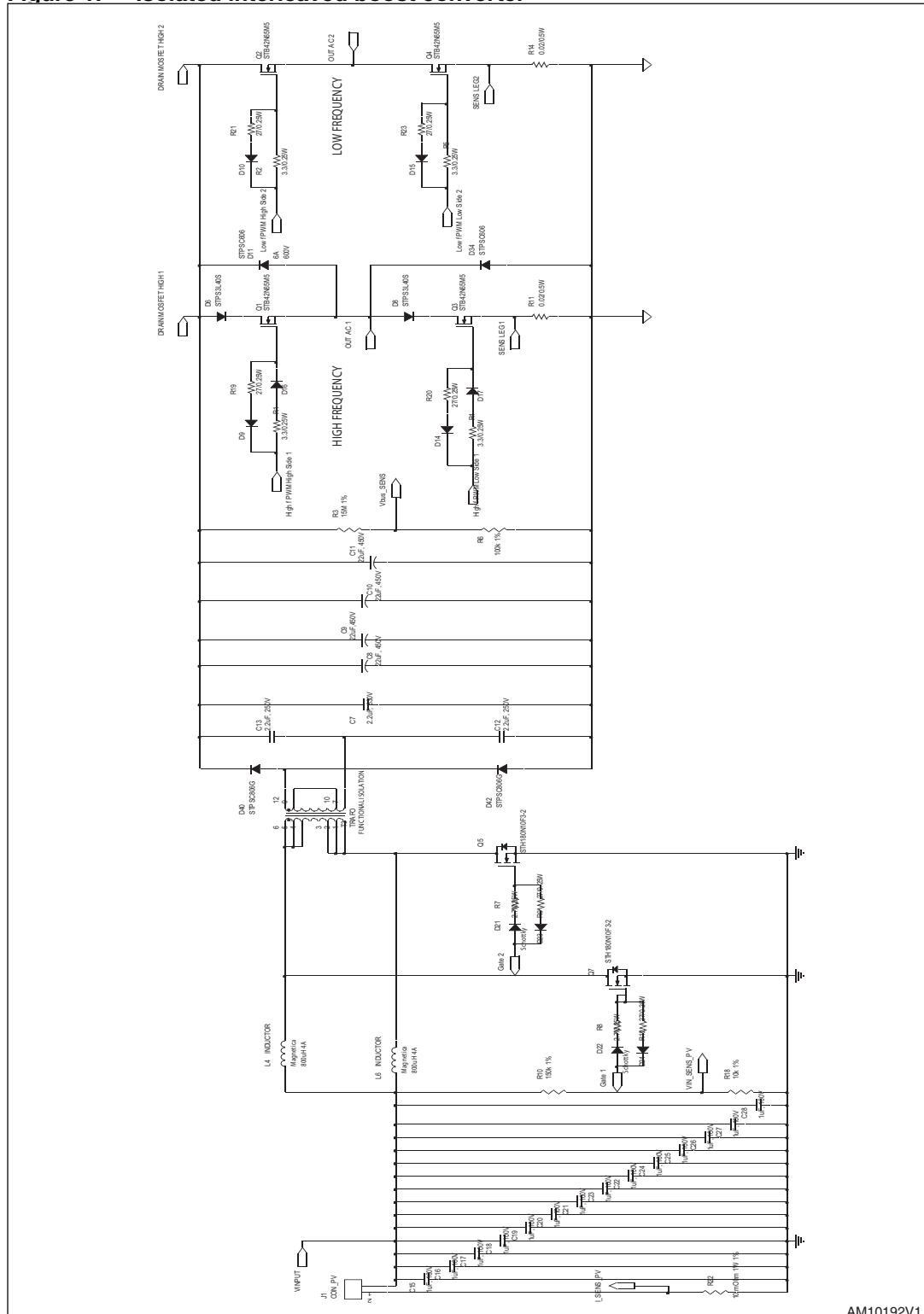
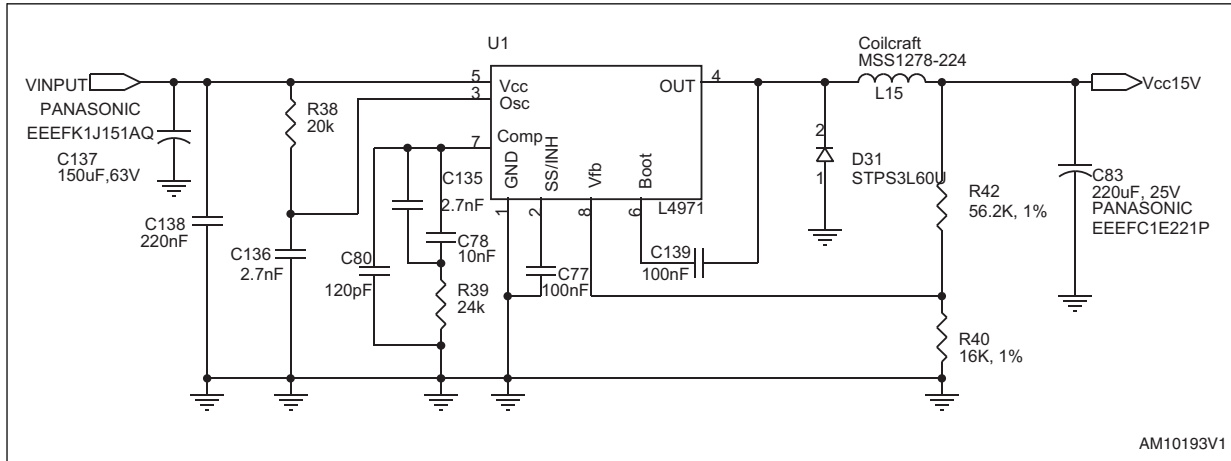


Figure 1. Isolated interleaved boost converter



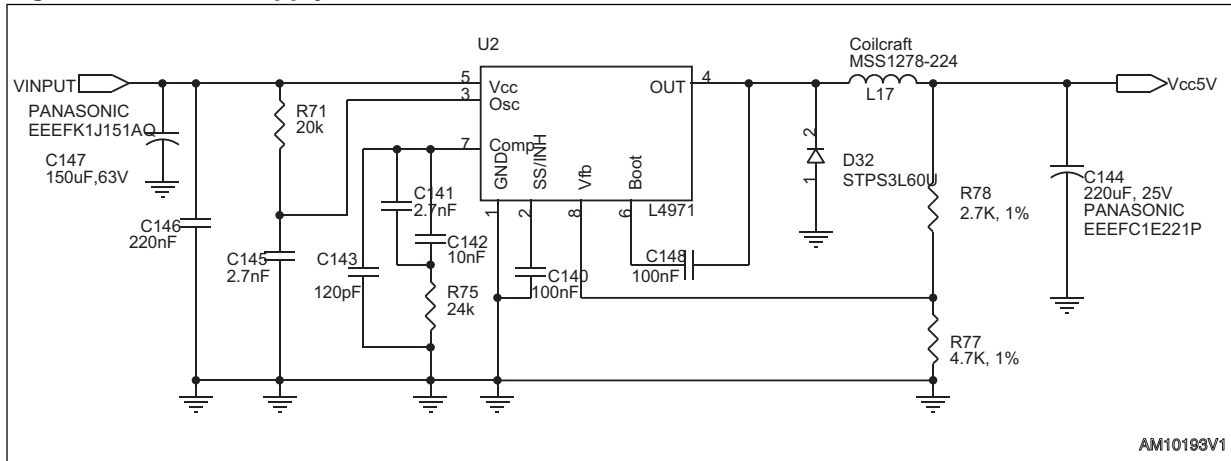
AM10192V1

**Figure 2. Power supply section - 15 V**



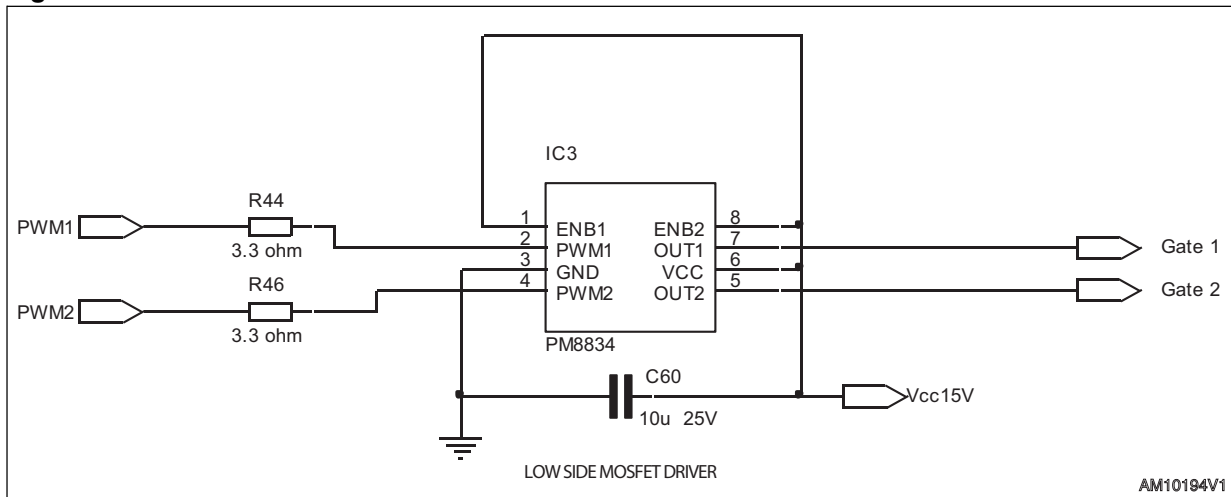
AM10193V1

**Figure 3. Power supply section - 5 V**



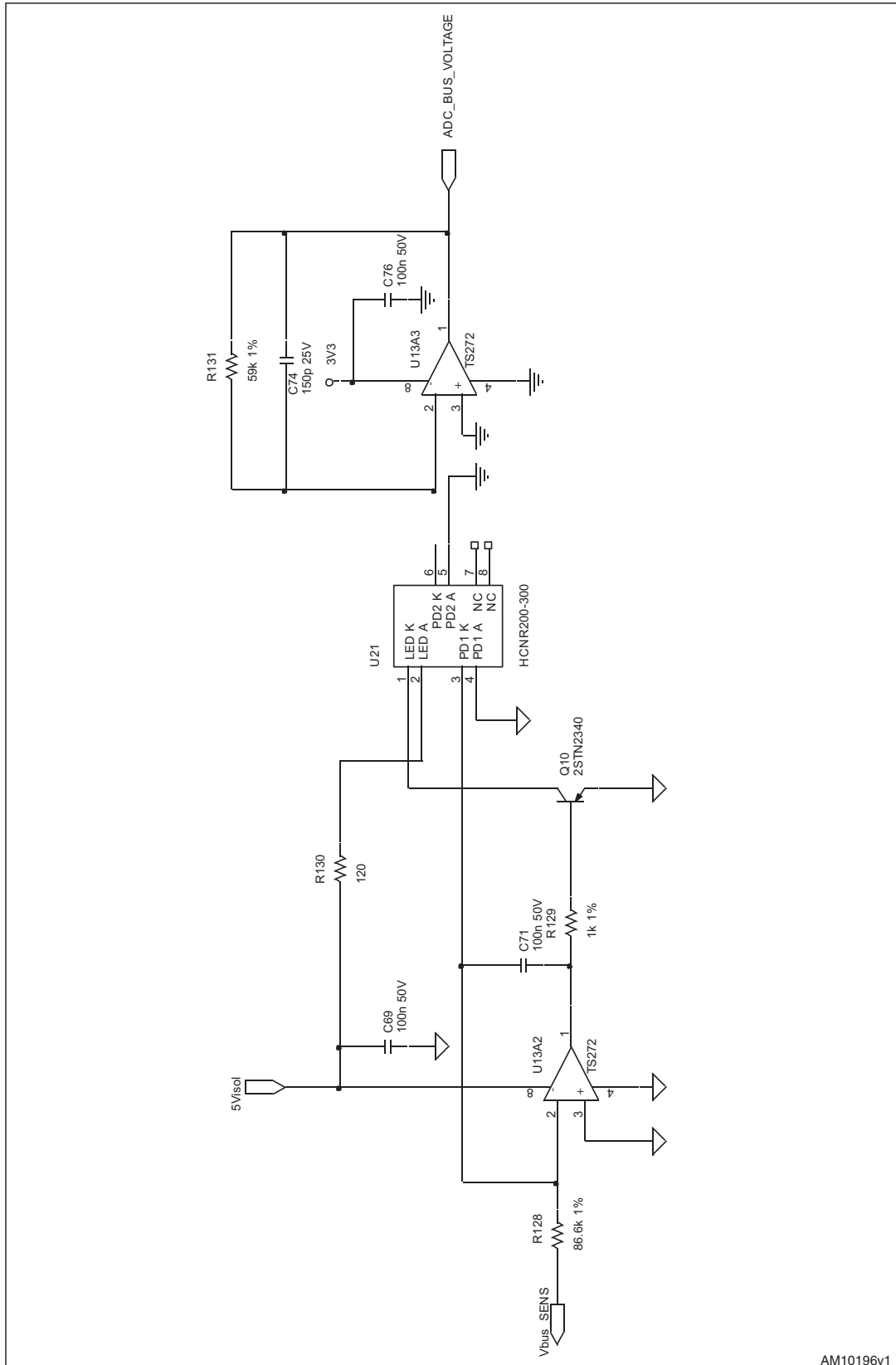
AM10193V1

**Figure 4. DC/DC drive selection**



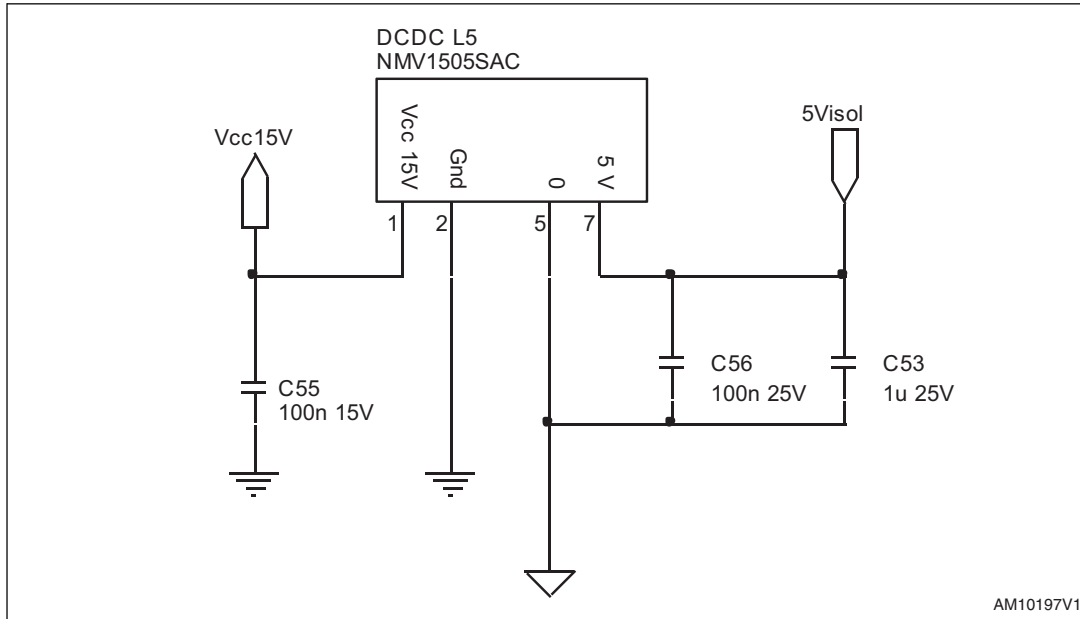
AM10194V1

Figure 5. V-bus sensing



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**Figure 6. 5 V isolated**



**Figure 7. PV voltage sensing section**

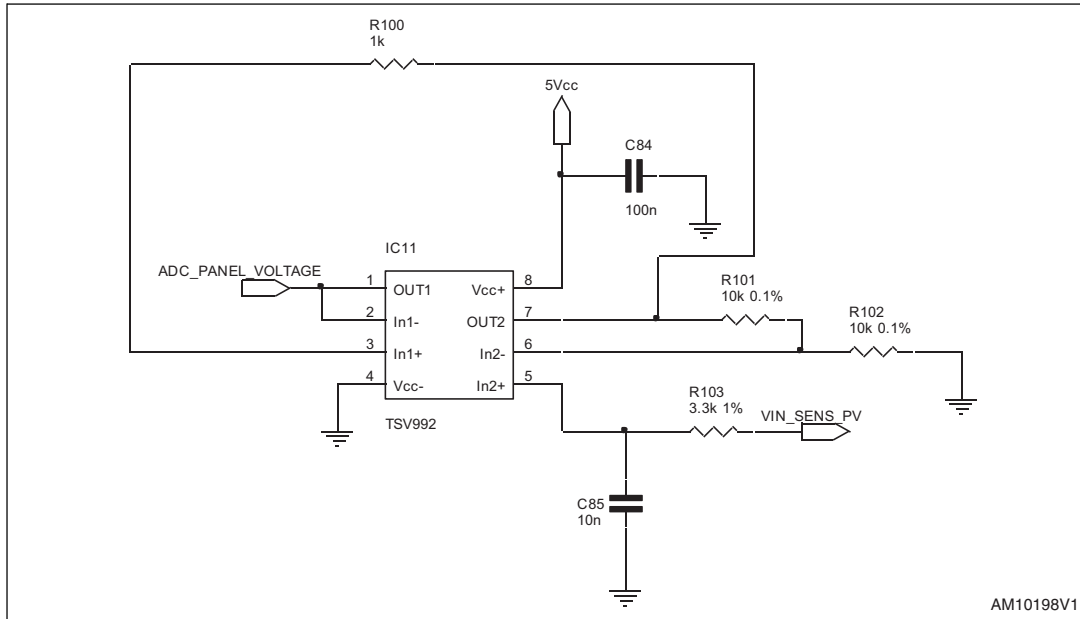
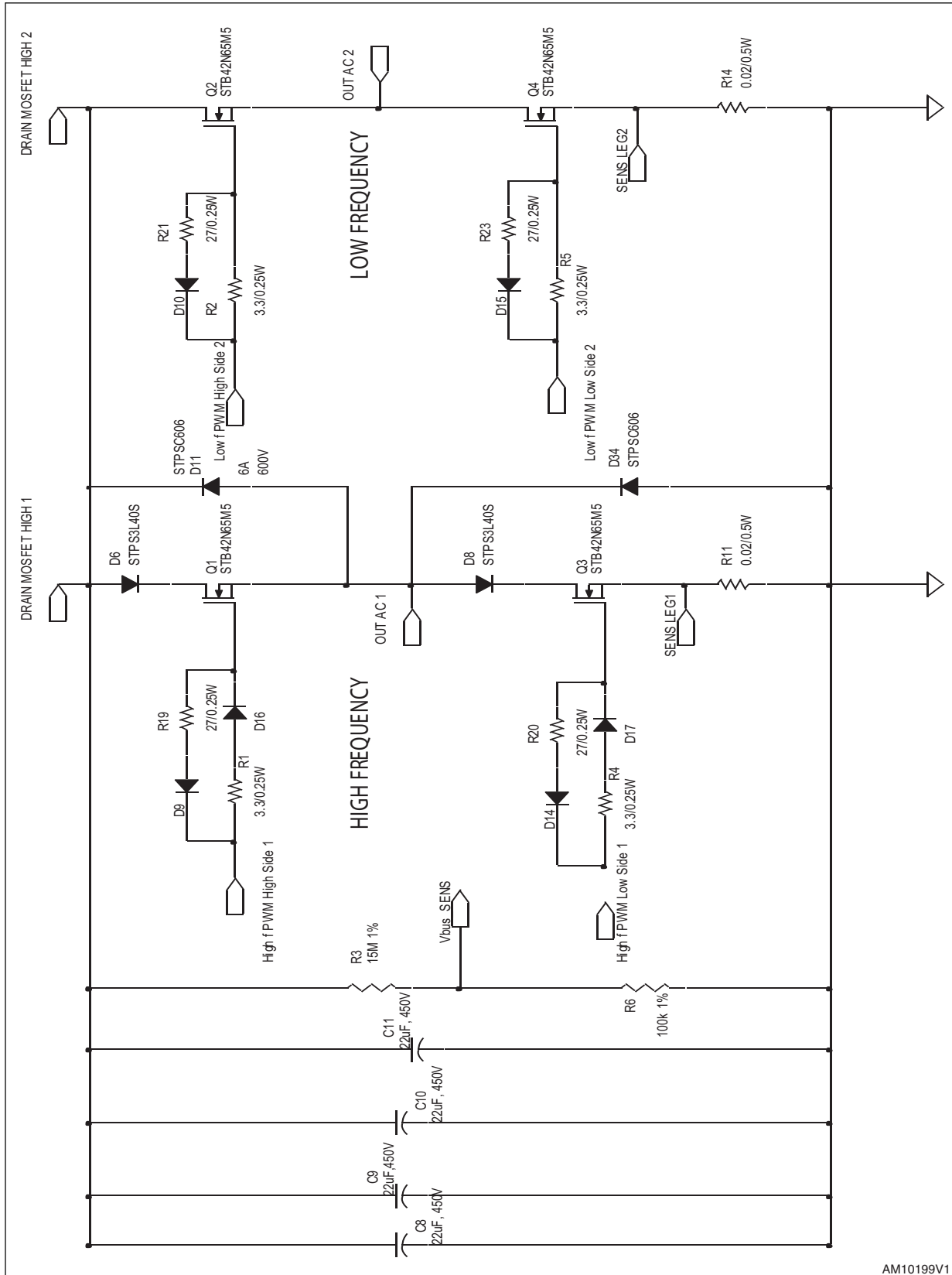


Figure 8. DC/AC topology: mixed-frequency inverter



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Figure 9. Output AC line filter

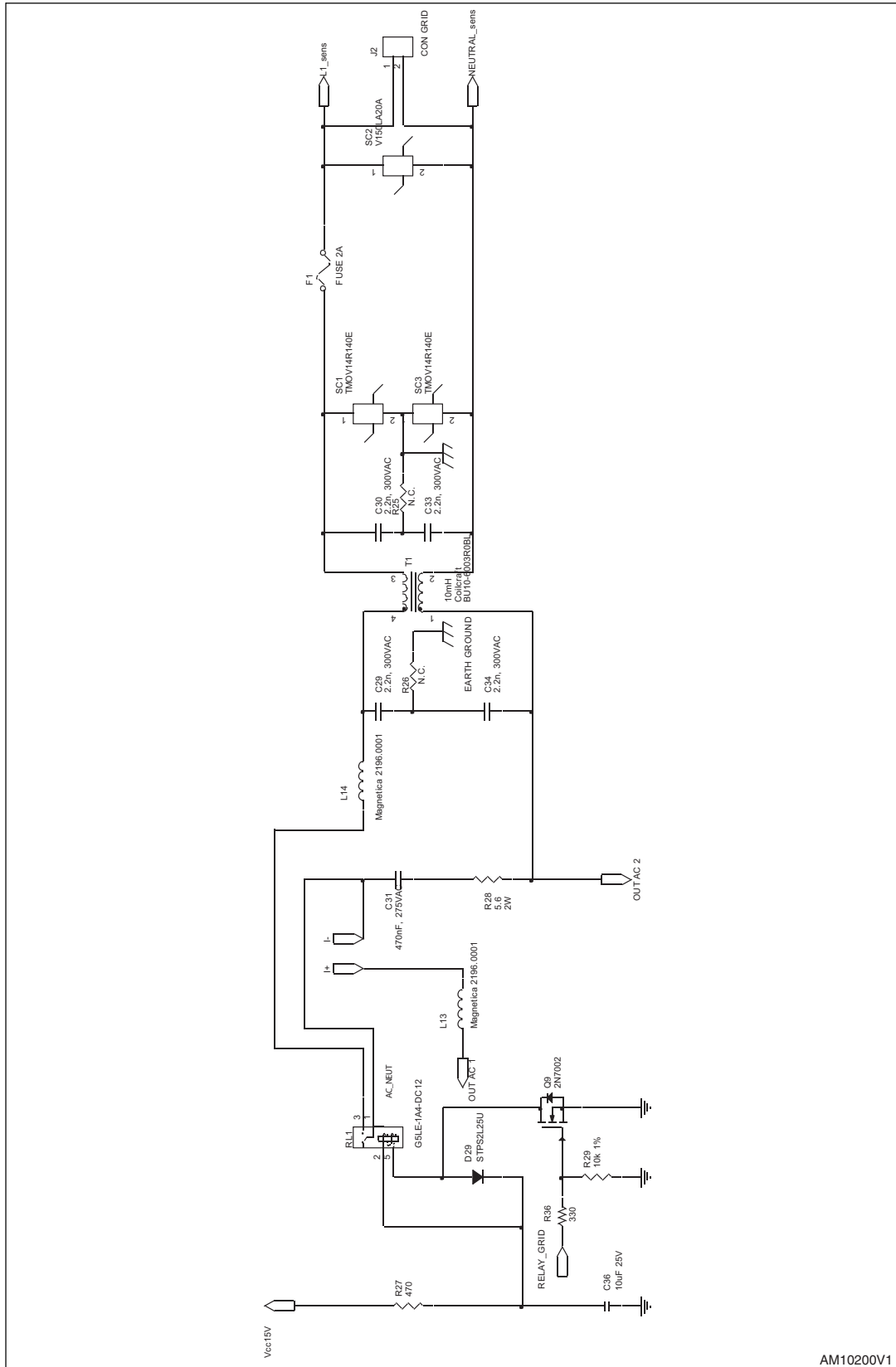


Figure 10. Output current sensor

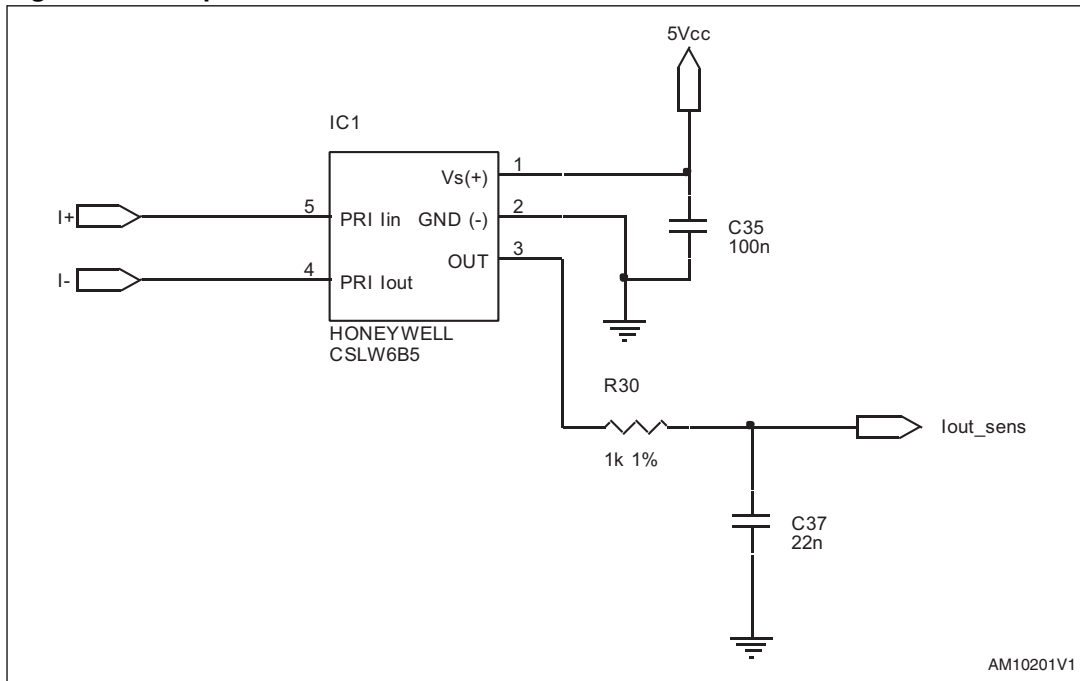


Figure 11. AC line current sensing

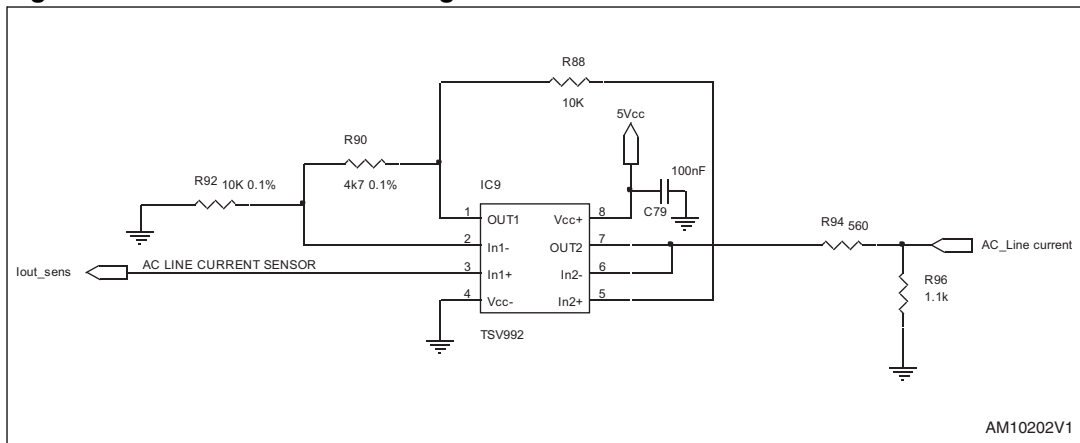
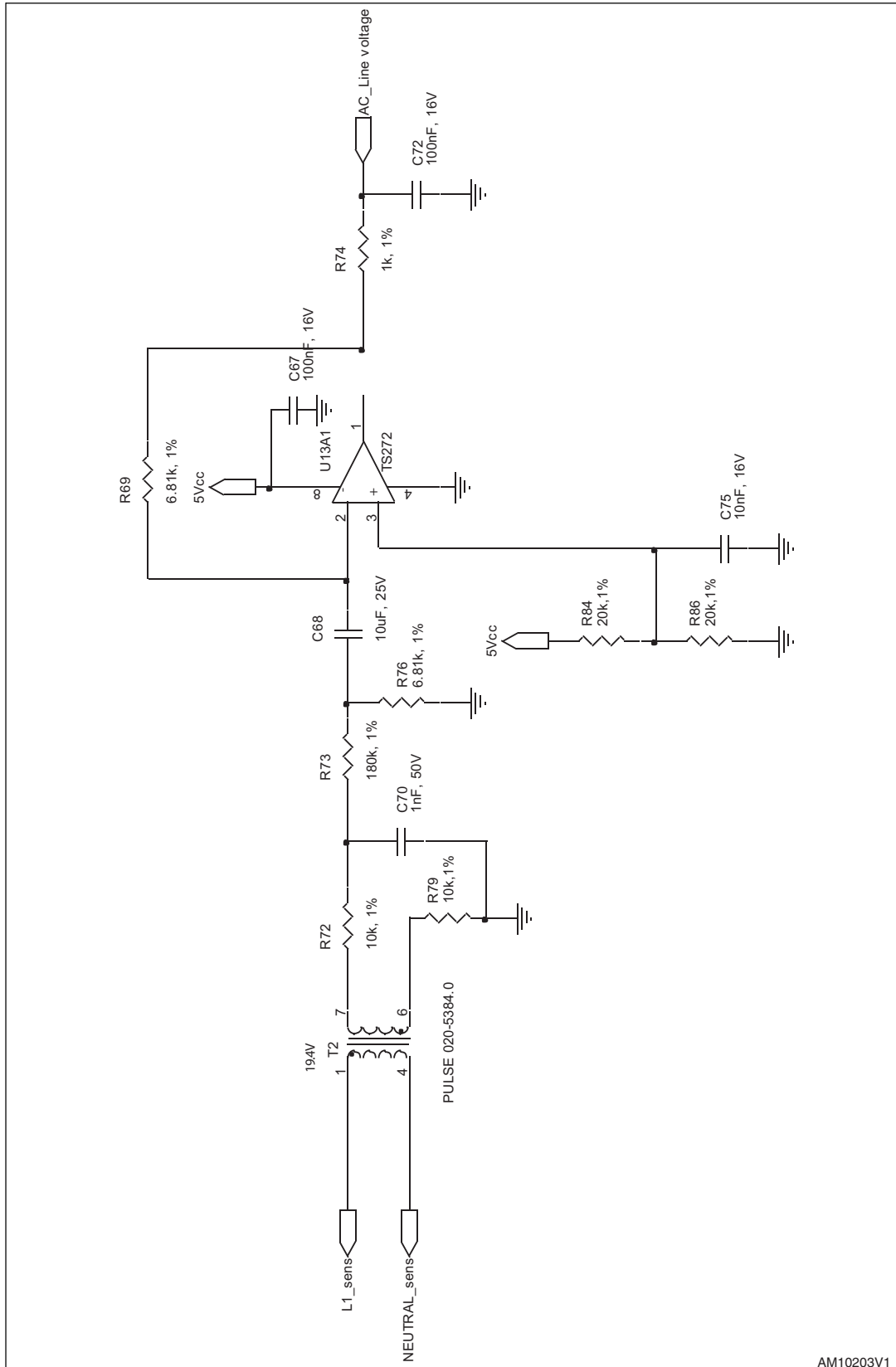


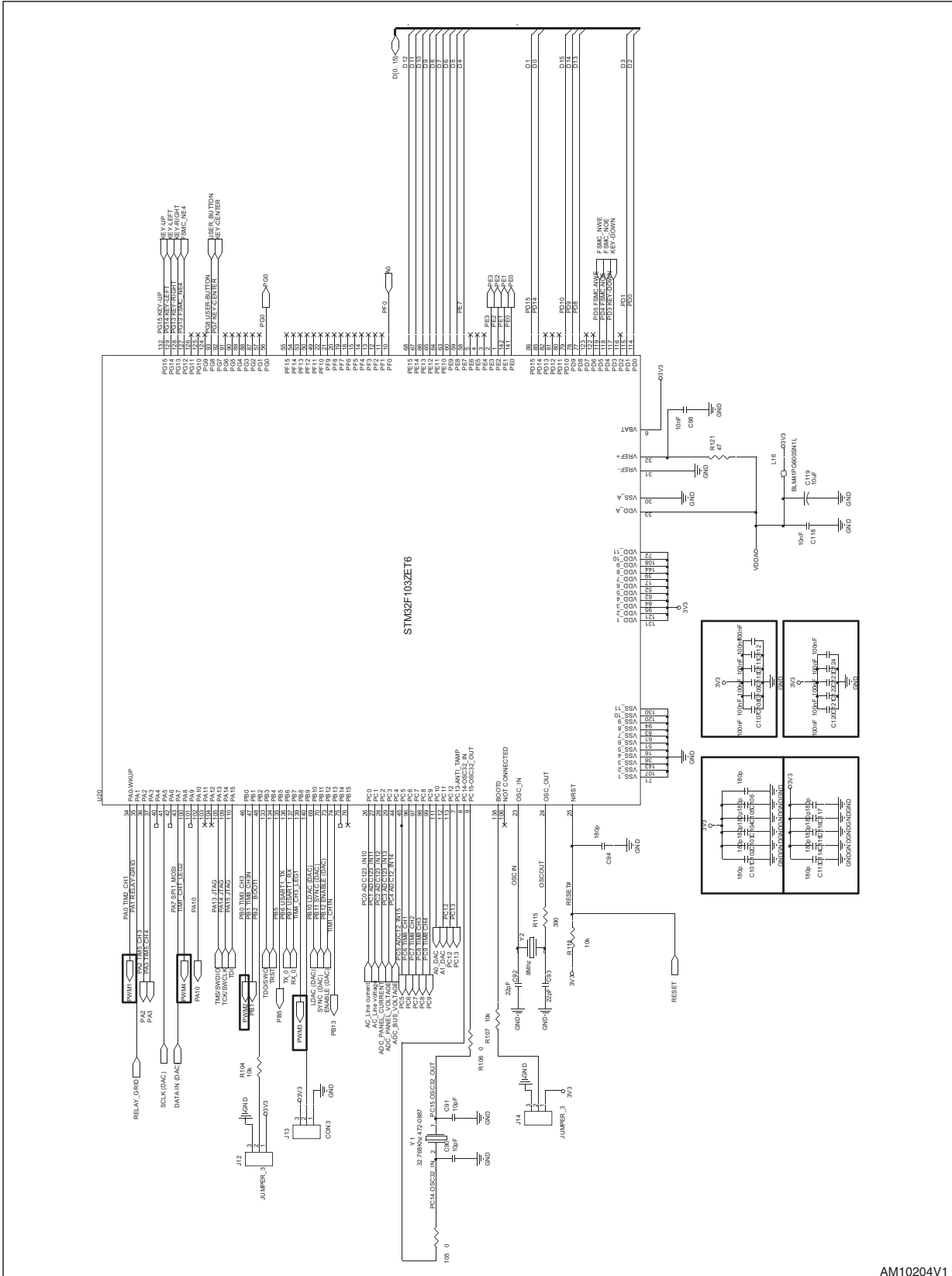
Figure 12. VOUT sensing section



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Figure 13. 32 bit MCU-STM32F electrical schematic



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